Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 09 Dec 2021 until 23:59 on Friday 10 Dec 2021

Forecast Issued on Thursday 09 Dec 2021 at 01:43

Confidence: High for general theme, lower for shower detail and for nature of precipitation (snow to lower levels possible at times).

Headline for Thursday 09 Dec 2021: After a largely fine morning cloud and rain, will affect the park this afternoon.

Mountain weather hazards on Thursday 09 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Fog	Cloudy	Sleet	Heavy Rain	Heavy Rain
Precipitation probability					
30%	20%	10%	20%	90%	50%

Forecast for Thursday 09 Dec 2021

Weather: Cloudy overnight with occasional rain and sleet clearing after dawn. Most parts becoming dry with some bright or sunny spells through the morning. Cloud thickening from early afternoon as a band of locally heavy rain, crosses the area from the west. Rain mostly clear by midnight.

Chance of cloud free mountain/hill tops above 600m: 20% at first, improving to 80% through the morning before reducing again through the evening in heavy rain.

Visibility: Generally around 10KM overnight but lower than 1000 metres in any sleet. Improving to 20 KM during the morning before deteriorating in rain through the evening to 5000 metres or lower.

Check our weather forecast every day to get the most accurate and up to date information
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Met Office Mountain Weather Forecast

Forecast for Thursday 09 Dec 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	21/26 W	17/23 W	15/20 SW	17/24 SW	18/28 S	18/24 SW	25/34 NW
300	15/21 W	13/19 SW	12/17 SW	11/19 S	17/27 S	15/21 SW	21/31 NW
Valley	8/19 W	8/18 W	8/16 SW	7/18 S	9/22 SE	9/21 SW	15/31 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-4	2/-3	2/-4	2/-4	3/-2	3/-3	2/-5
300	4/-0	4/0	4/-0	4/0	4/-1	5/0	4/-1
Valley	5/2	5/2	5/2	4/2	4/1	5/2	5/0
Freezing Level*	1000m	900m	800m	700m	1300m	1200m	800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Despite some improvements in the weather on Thursday compared to Tuesday and Wednesday there remains plenty of wintry hazards for people on the hills to be aware of. Significant wind-chill in particular.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Thu 09 Dec 2021	10.4mm	13.4mm	19.6mm

Forecast for Friday 10 Dec 2021

Weather: Isolated showers, sleet above 500 metres with snow above 600 metres. Some fine spells in between the showers, the best of which will be to the southeast.

Maximum wind: North-westerly mean 30 mph gust 40–45mph.

Chance of cloud free mountain/hill tops above 600m: 60-80%

Visibility: Mainly very good but lowering to 1000 metres or less in wintry showers.

Temperature: **Valleys:** Minus 1 becoming plus 5 Celsius
At 600m: Minus 2 Celsius
Freezing level: 700 metres

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